

What is claimed is:

- 1 1. An apparatus comprising:
2 a receiver to detect radar signals in spectrum used by wireless network
3 signals; and
4 a network interface to communicate dynamic frequency selection
5 information to at least one transmitter in a wireless network.
- 1 2. The apparatus of claim 1 wherein the network interface is configured to
2 provide information regarding spectrum used by the radar signals.
- 1 3. The apparatus of claim 1 wherein the network interface is configured to
2 provide information regarding spectrum not used by the radar signals.
- 1 4. The apparatus of claim 1 wherein the network interface comprises a wireless
2 network interface.
- 1 5. The apparatus of claim 4 wherein the wireless network interface comprises
2 an 802.11 compliant physical layer.
- 1 6. The apparatus of claim 5 wherein the wireless network interface transmits in
2 a radar-free channel.
- 1 7. The apparatus of claim 5 wherein the 802.11 compliant physical layer is
2 capable of transmitting at frequencies of between 5.15 GHz and 5.25 GHz.
- 1 8. The apparatus of claim 5 wherein the wireless network interface is
2 configured to associate with an access point or a mobile station.

- 1 9. The apparatus of claim 8 wherein the dynamic frequency selection
2 information comprises a spectral location of radar signals.
- 1 10. The apparatus of claim 8 wherein the dynamic frequency selection
2 information comprises a channel open for wireless local area network use.
- 1 11. The apparatus of claim 1 wherein the receiver comprises:
2 a radio frequency front end;
3 a radar signal analyzer; and
4 a memory device to record channel records.
- 1 12. The apparatus of claim 11 wherein the radio frequency front end includes
2 circuits to scan in one or more bands between substantially 5 GHz and 6 GHz.
- 1 13. The apparatus of claim 11 wherein the radio frequency front end includes
2 circuits to scan between substantially 5.25 GHz and 5.725 GHz.
- 1 14. The apparatus of claim 1 wherein the network interface includes circuits to
2 transmit wireless local area network signals below substantially 5.25 GHz.
- 1 15. A method comprising:
2 scanning channels in a frequency spectrum to detect signals;
3 storing information describing the signals in the channels; and
4 providing dynamic frequency selection information to a plurality of
5 transmitters in a wireless network.
- 1 16. The method of claim 15 wherein scanning channels comprises scanning
2 frequency channels below 6GHz.

1 17. The method of claim 15 wherein scanning channels comprises scanning
2 frequency channels above 5.25 GHz.

1 18. The method of claim 15 wherein providing dynamic frequency selection
2 information to a plurality of transmitters comprises transmitting at between 5.15
3 GHz and 5.25 GHz.

1 19. The method of claim 15 wherein providing dynamic frequency selection
2 information to a plurality of transmitters comprises transmitting packets to access
3 points across a wired network.

1 20. The method of claim 15 wherein providing dynamic frequency selection
2 information to a plurality of transmitters comprises identifying a channel to which
3 the wireless network should move.

1 21. An apparatus including a medium adapted to hold machine-accessible
2 instructions that when accessed result in a machine performing:
3 scanning channels in a frequency spectrum to detect signals;
4 storing information describing the signals in the channels; and
5 providing dynamic frequency selection information to a plurality of
6 transmitters in a wireless network.

1 22. The apparatus of claim 21 wherein providing dynamic frequency selection
2 information to a plurality of transmitters comprises transmitting at between 5.15
3 GHz and 5.25 GHz.

1 23. The apparatus of claim 21 wherein providing dynamic frequency selection
2 information to a plurality of transmitters comprises transmitting packets to access
3 points across a wired network.

1 24. The apparatus of claim 21 wherein providing dynamic frequency selection
2 information to a plurality of transmitters comprises identifying a channel to which
3 the wireless network should move.

1 25. An electronic system comprising:
2 a receiver to detect radar signals in spectrum used by wireless network
3 signals;
4 a wireless network interface to communicate dynamic frequency selection
5 information to at least one transmitter in a wireless network; and
6 an omni-directional antenna coupled to the wireless network interface.

1 26. The electronic system of claim 25 wherein the wireless network interface
2 comprises an 802.11 compliant physical layer.

1 27. The electronic system of claim 26 wherein the wireless network interface
2 transmits in a radar-free channel.

1 28. The electronic system of claim 26 wherein the 802.11 compliant physical
2 layer is capable of transmitting at frequencies of between 5.15 GHz and 5.25 GHz.